

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NZ2004/000256

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: E05D 7/081, 15/26, E06B 3/48

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
DWPI: IPC E05D/- and keywords; door, leaf, wing, window, multi-, bi-, bogey, wheel, roller, pivot, rotate, hinge, track & similar terms

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                  | Relevant to claim No.               |
|-----------|---|-------------------------------------|
| X         | JP 2002242523 A (YKK ARCHITECTURAL PROD KK) 28 August 2002<br>See Figs 5 and 8, vicinity of item 86 | 1, 6, 8, 9, 14-16, 18, 20-22, 31-33 |
| X         | US 2003/0089464 A1 (LEWIS) 15 May 2003<br>See the Figs 10 and 11                                    | 1, 6, 8, 9, 14-16, 18, 20-22, 31-33 |

Further documents are listed in the continuation of Box C

See patent family annex

|   |   |
|---|---|
| <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> | <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p> |
|---|---|

Date of the actual completion of the international search  
12 January 2005

Date of mailing of the international search report  
17 JAN 2005

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## INTERNATIONAL SEARCH REPORT

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### Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

### Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

See the extra sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:1-23, 31(part), 32-33

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NZ2004/000256

## Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

### Continuation of Box No: III

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

**Claim Group 1.** Claims 1 to 20, 31 to 33 are directed to a joinery bogie for a multi-fold door. It is considered that the moveable edge being provided adjacent to a frame seal for a head or sill of the frame when the at least one leaf is in a closed position and the pivot connection being located so that the moveable edge has a component of movement away from the frame upon initiation of opening of the at least one leaf comprises a first "special technical feature".

**Claim Group 2.** Claims 21 to 23, 31 to 33 directed to a joinery bogie for a multi-fold door. It is considered that the pivot assembly pivotally connecting one or more stile or rail engaging arms to the bogie unit comprises a second special technical feature.

**Claim Group 3.** Claims 24 to 30, 31, 34 are directed to a track assembly that is suitable for use with a multi-fold joinery door. It is considered that track being insertable into a recess within an extruded frame member comprises a third "special technical feature".

Since the abovementioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in<br>Search Report | Patent Family Member |
|---|----------------------|
| JP 2002242523                             |                      |
| US 2003/0089464                           |                      |

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX